

## UNITED STATES DEPARTMENT OF COMMERCE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	
09/652.9	9 <b>9</b> 08/31/0	0 DURCAN	Þ	98-1068.02	
		MMC1/0606	EXAMINER		
CHARLES			NGU	NGUYEN.D	
	ECHNOLOGY IN EDERAL WAY	C	ART UNIT	PAPER NUMBER	
MAIL STOP 525			281	4	
BOISE ID	83716		DATE MAILED:	06/06/01	

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks** 

Office Action Summary		Application No.	Applicant(s)
		09/652,999	DURCAN ET AL.
		Examiner	Art Unit
· <del></del>		DiLinh Nguyen	2814
Period fo	- The MAILING DATE of this communication apports. The Reply	pears on the cover sheet	with the correspondence address
THE   - External after   - If the   - If NC   - Failu   - Any (	ORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a re o period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statu- reply received by the Office later than three months after the maili- ed patent term adjustment. See 37 CFR 1.704(b).	136 (a). In no event, however, ma ply within the statutory minimum of d will apply and will expire SIX (6) No te, cause the application to become	y a reply be timely filed  thirty (30) days will be considered timely.  MONTHS from the mailing date of this communication.  ABANDONED (35 U.S.C. § 133).
1)	Responsive to communication(s) filed on		
2a)□		his action is non-final.	
3)□	Since this application is in condition for allow closed in accordance with the practice unde	vance except for formal r	
Dispositi	ion of Claims		
4)⊠	Claim(s) 29 is/are pending in the application.		
	4a) Of the above claim(s) is/are withdra	awn from consideration.	
5)	Claim(s) is/are allowed.		
6)	Claim(s) 29 is/are rejected.		
7)	Claim(s) is/are objected to.	•	
8)[	Claims are subject to restriction and/o	or election requirement.	
Applicati	ion Papers		
9)	The specification is objected to by the Examin	ner.	
10)	The drawing(s) filed on is/are objected	to by the Examiner.	
	The proposed drawing correction filed on		disapproved.
12)	The oath or declaration is objected to by the f	Examiner.	
Priority u	ınder 35 U.S.C. § 119		
	Acknowledgment is made of a claim for foreign	an priority under 35 U.S.(	C δ 119(a)-(d) or (f)
	☐ All b)☐ Some * c)☐ None of:	, p, aa., a	5. <del>x</del> 1 1 5(3) (5) 51 (1).
/-	1. Certified copies of the priority documen	nts have been received	
	2. Certified copies of the priority documen		Application No
	3. Copies of the certified copies of the price		
* S	application from the International B See the attached detailed Office action for a lis	ureau (PCT Rule 17.2(a)	).
14)	Acknowledgement is made of a claim for dom	nestic priority under 35 U	.S.C. § 119(e).
Attachmen	t(s)		
16) 🔲 Noti	ice of References Cited (PTO-892) ice of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449) Paper No(s)	19) 🔲 Notice	iew Summary (PTO-413) Paper No(s)e of Informal Patent Application (PTO-152)

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Dennison (U.S. Pat. 5,362,666).

Dennison discloses the method for forming a container capacitor, comprising the steps of:

providing a cup-shaped bottom electrode 42 (cover Fig.);

providing an insulating layer 58 around an exterior surface of the cupshaped bottom electrode (cover Fig);

depositing a dielectric layer 50 on part of the exterior surface (cover Fig.); and

depositing a conductive layer 52 on the dielectric layer (cover Fig., column 11, lines 4-12).

Dennison does not particularly point out the step of masking a first portion of the insulating layer and etching a second portion of the insulating layer from a part of the exterior surface. However since some masking must be performed to limit the area in which etching as shown in Figures 4-8, use of a mask is inherent in the process, and it would be obvious to use a mask to limit the etching.

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## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DiLinh Nguyen whose telephone number is (703) 305-6983. The examiner can normally be reached on 8:00AM - 6:00PM (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, OLIK CHAUDHURI can be reached on (703) 308-2794. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

DLN May 30, 2001 Douglas Wille Patent Examiner

Louglas Will